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Granules of alpha-L-aspartyl-L-phenylalanine methyl ester -
have more rapid dissolution by selecting appropriate crystallisation
conditions and granulating to appropriate size

Patent Assignee: AJINOMOTO KK (AJIN); AJINOMOTO CO INC (AJIN)

Inventor: KISHIMOTO S; YASAKI A

Number of Countries: 011 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 514937	A1	19921125	EP 92108705	A	19920522	199248 B
JP 4346769	A	19921202	JP 91222525	A	19910524	199303
CA 2069255	A	19921125	CA 2069255	A	19920522	199307
US 5473097	A	19951205	US 92886082	A	19920521	199603
			US 92985931	A	19921204	
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JP 3019519	B2	20000313	JP 91222525	A	19910524	200017
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			EP 2000119187	A	19920522	
DE 69232249	E	20020117	DE 632249	A	19920522	200213
			EP 92108705	A	19920522	
CA 2069255	C	20020723	CA 2069255	A	19920522	200257

Priority Applications (No Type Date): JP 91222525 A 19910524

Cited Patents: 5.Jnl.Ref; DE 2415557; EP 458750; JP 2174650; US 4031258

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 514937	A1	E	6	C07K-005/06	
Designated States (Regional): BE CH DE FR GB IT LI NL					
JP 4346769	A		3	A23L-001/236	
CA 2069255	A			C07K-005/06	
US 5473097	A		5	C07C-229/00	CIP of application US 92886082
JP 3019519	B2		3	A23L-001/236	Cont of application US 92985931
EP 514937	B1	E		C07K-005/06	Previous Publ. patent JP 4346769
Related to application EP 2000119187					
Related to patent EP 1067137					
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DE 69232249	E			C07K-005/06	Based on patent EP 514937
CA 2069255	C	E		C07K-005/075	

Abstract (Basic): EP 514937 A

Granules of alpha-L-aspartyl-L-phenylalanine methyl ester (APM) contg. IB crystals and having a grain size of 100-1400 microns, are new. The most pref. grain size is 100-500, (esp. 150-300) microns.

USE/ADVANTAGE - APM is widely used as a low calorie sweetener aspartame. It occurs in different crystalline forms, some having poor dispersibility and solubility in water. By granulating to the specified size, dispersibility is increased, so that the APM dissolves in water in less than half the time taken by the original powder form. Addn. of the APM to drinks is therefore more acceptable. Although crystals having a high content of IB crystals (over 90%), as obtd. by cooling and crystallisation of APM without stirring (EP-514936), even low solubility powdery APM can be granulated to improve dispersibility

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Abstract (Equivalent): US 5473097 A

Granules of alpha-L-aspartyl-L-phenylalanine methyl ester, wherein said granules contain IB crystals of alpha-L-aspartyl-L-phenylalanine methyl ester and consist essentially of grain sizes within the range of 100-1400 microns.

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Derwent Class: B05; D13; E14

International Patent Class (Main): C07C-229/00; C07K-005/06; C07K-005/075

International Patent Class (Additional): A23L-001/236; C07K-001/14